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ABSTRACT

Provided is an adjustable trailer hitch assembly and method of use that permits one person to controllably move the hitch within a plane of defined boundaries. Trailer hitch assembly includes one or more longitudinally extending assemblies for mounting under a vehicle, a cross-bracket assembly attached substantially perpendicularly with telescoping assemblies, a receiver portion slidable in said cross-bracket assembly, and a ballmount fixed
10 with said receiver portion with a pin. Telescoping assemblies and cross-bracket assembly include control mechanisms, which may include motors and worm gear drives, to move the receiver portion longitudinally and latitudinally, respectively, thereby moving the ballmount and hitch ball within a predefined plane. An integral safety latch system is also provided.